

Coaxial Band-pass Filter

2.97-3.03 GHz/SMA Female

Model: TLBF-3G-30M-L

TLBF-3G-30M-L is a coaxial band-pass filter with a passband frequency from 2.97 to 3.03 GHz and a rejection frequencies from DC-2.57 GHz and 3.43 GHz. The maximum insertion loss of the filter is 3.0 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 2.97 to 3.03 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

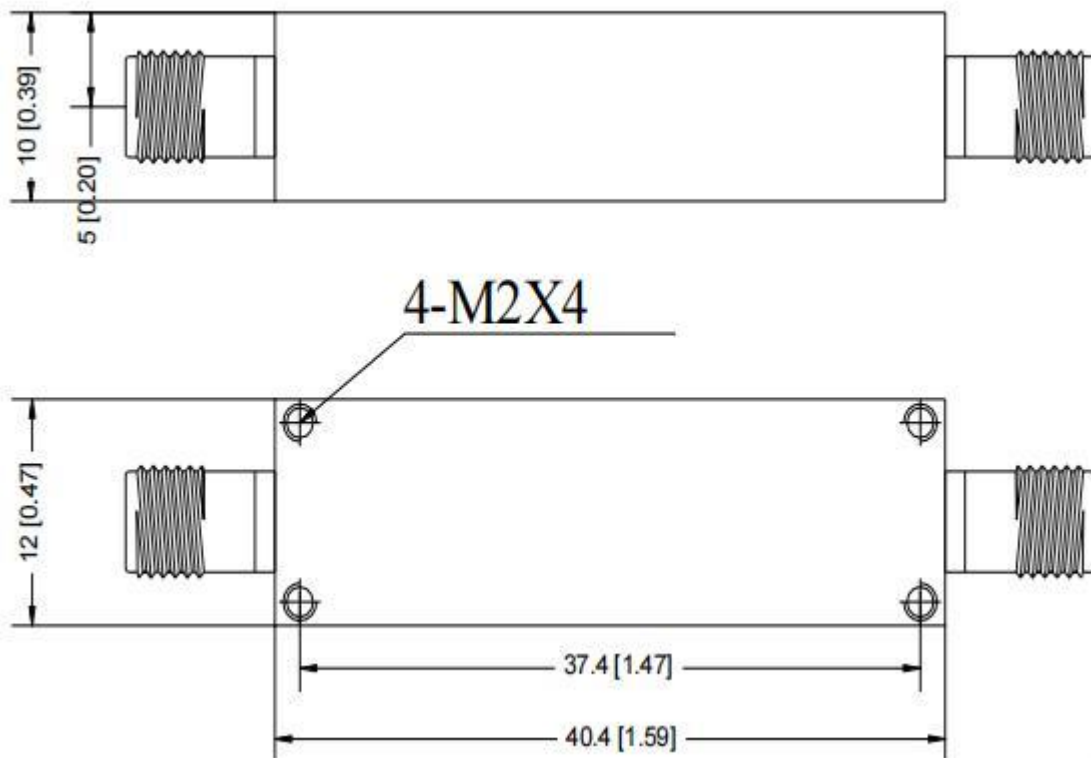
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2.97		3.03	GHz
带宽 Band Width			0.06	GHz
插损 Insertion Loss(fo)			3.0	dB
带内波动 Pass Band Ripple			2.8	dB
带外抑制 Rejection	>50dB@fc±400Mhz			
耐受功率 Power Handling			2	W
驻波 VSWR			1.6	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envriionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	-40 To +70	°C
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm

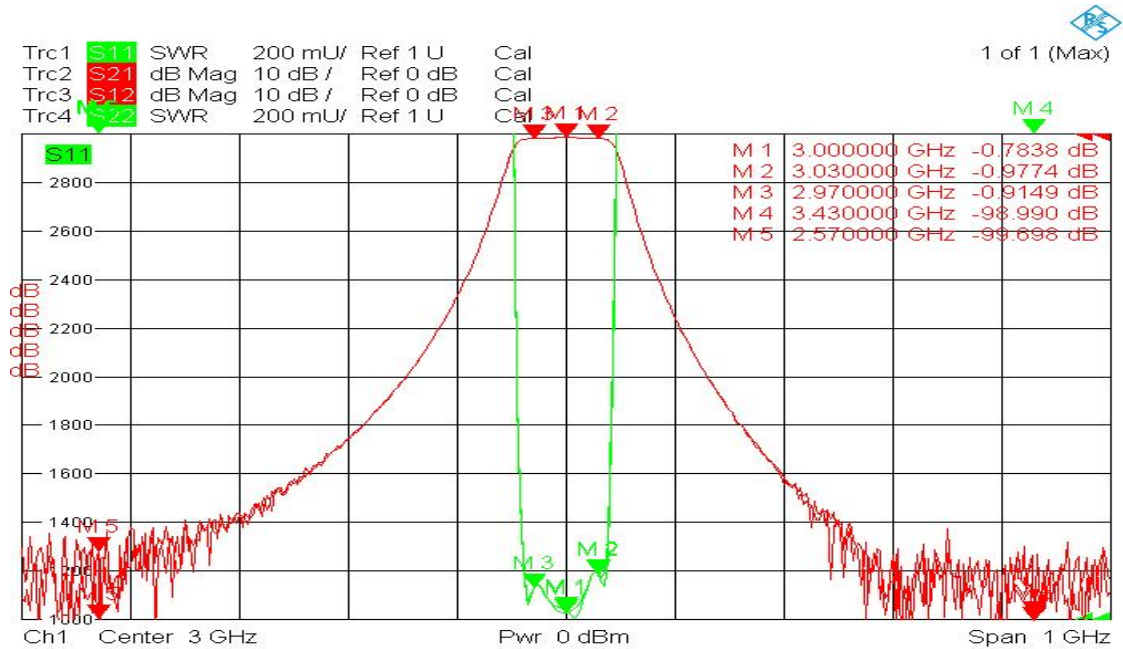


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-3G-30M-L	Coaxial Band-pass Filter, Passband frequency range: 2.97-3.03GHz, fo Insertion Loss: 3.0dB, SMA Female	Rev.1.0

典型曲线 Typical Performance Data:



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.